

2002 NAEP 4TH AND 8TH GRADE READING RESULTS SUMMARY



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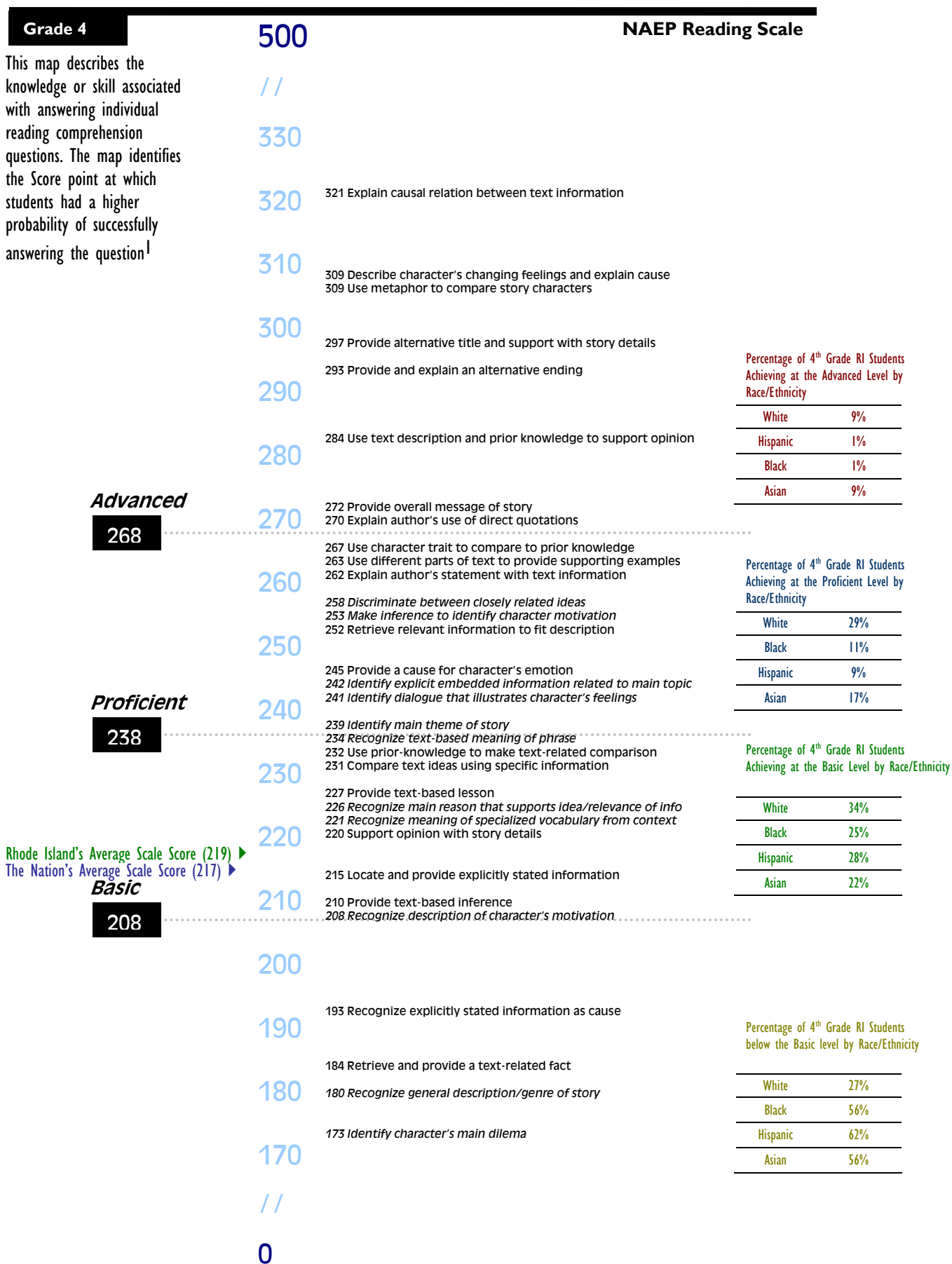
INTRODUCTION

- The 2000 NAEP Reading Assessment was part of the long-term trend study for which state-level results are not available.
- Part of the student sample in the 1998 Reading Assessment was not allowed accommodations; the other half of the student sample was allowed to have accommodations. The scores shown in this report use only those 1998 scores **allowing accommodations**. There were no statistically significant differences between the scores of those students with and those without accommodations.
- In 2002, NAEP administered the reading assessment to approximately 270,000 students in grades 4, 8, and 12 throughout the nation. The national sample assessed approximately 5,515 schools at grade 4, 4,685 at grade 8, and 8,724 schools at grade 12. State and national results will be available in the spring of 2003.

2002 GRADE 4 NAEP READING DATA SUMMARY

On the next page are the 4th and 8th grade Item Maps used to show the skills students at each Achievement Level are able to demonstrate on the 2002 NAEP Reading Assessment. This Item Map was taken from the *NAEP 2002 Reading Report Card*.

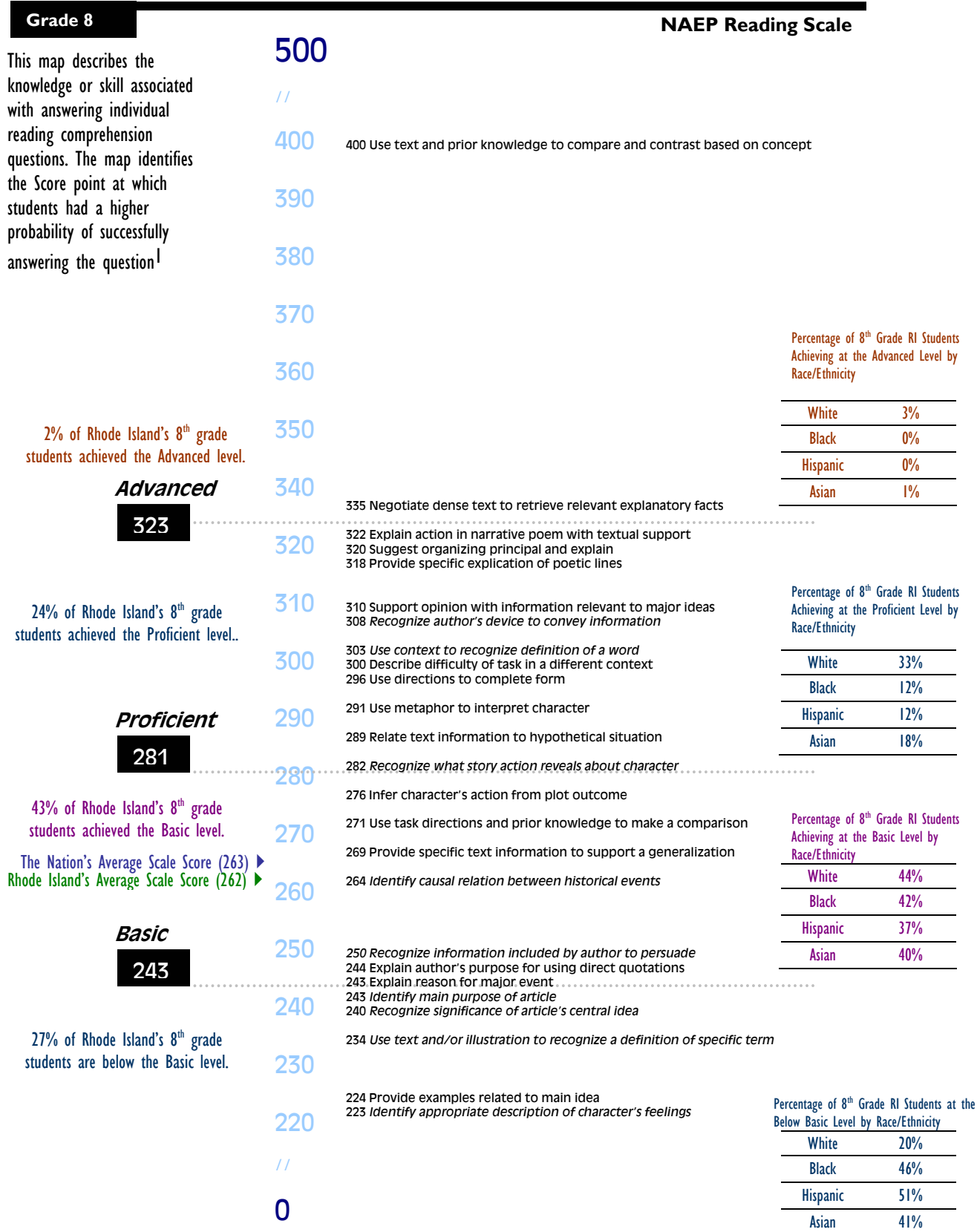
The maps do not contain all of the skills measured on the NAEP reading assessment and do not mean that students scoring in the Below Basic or Basic Achievement Levels did not demonstrate some of those skills in the Proficient Achievement Level.



Each grade 4 reading question in the 2002 reading assessment was mapped onto the NAEP 0-500 reading scale. The position of a question on the scale represents the average scale score attained by students who had a 65 percent probability of successfully answering a constructed-response question, or a 74 percent probability of correctly answering a four-option multiple choice question. Scale score ranges for reading achievement levels are referenced on the map. For constructed-response questions, the question description represents students' performance at the scoring criteria level being mapped.

NOTE: Regular type denotes a constructed-response question. Italic type denotes a multiple-choice question.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2002 Reading Assessment.

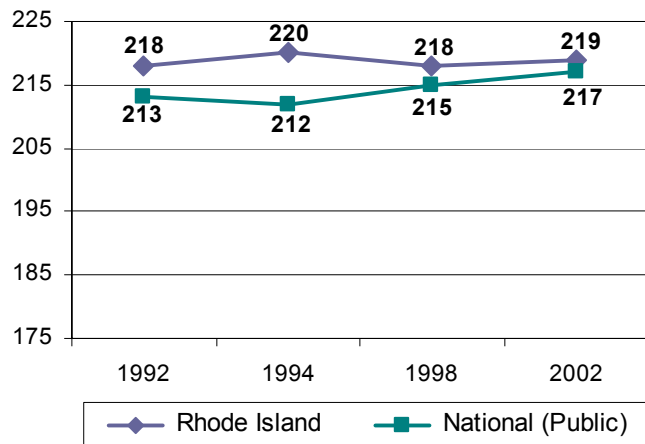


2002 NAEP READING DATA SUMMARY

Participation

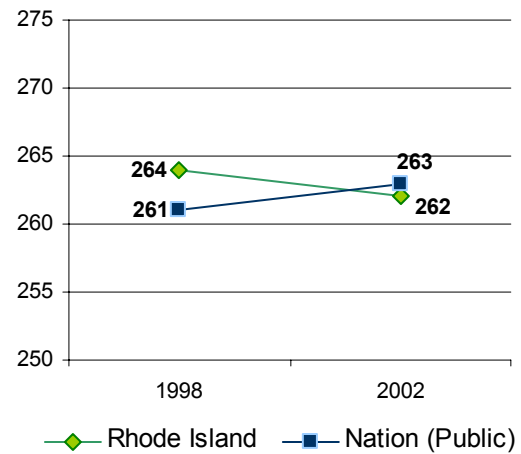
Number of 4 th grade students tested in Rhode Island:	3,551
Number of elementary schools that participated in Rhode Island:	116
Number of 8 th grade students who participated in Rhode Island:	2,552
Number of middle schools that participated in Rhode Island:	55

Grade 4 Average Scale Scores 1992-2002

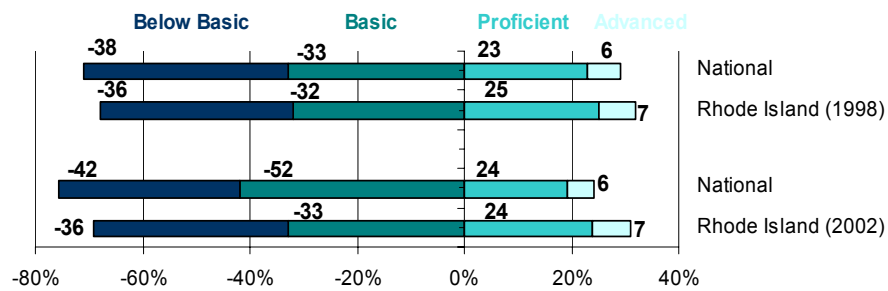


The Average Scale Score of Rhode Island has not shown significant improvement from 1992 – 2002 in the 4th Grade.

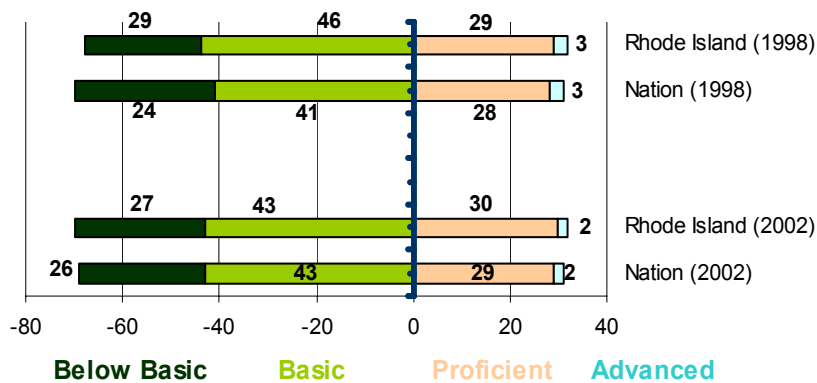
Grade 8 Average Scale Scores 1998 - 2002



4th Grade Achievement Levels 1998 - 2002



8th Grade Achievement Levels 1998 - 2002



Percent of 4th Grade Students at each Achievement Level by New England State (2002)

	Below Basic	Basic	Proficient	Advanced
Rhode Island	27	43	28	2
Nation	26	43	29	2
Connecticut	24	39	33	4
Maine	18	44	35	3
Massachusetts	19	42	36	3
New Hampshire	Did Not Participate			
Vermont	18	42	36	4

Percent of 8th Grade Students at each Achievement Level by New England State (2002)

	Below Basic	Basic	Proficient	Advanced
Rhode Island	27	43	28	2
Nation	26	43	29	2
Connecticut	24	39	33	4
Maine	18	44	35	3
Massachusetts	19	42	36	3
New Hampshire	Did Not Participate			
Vermont	18	42	36	4

**Changes in the 4th Grade Average Scale Score among New England States 1998 – 2002
(Accommodations Permitted):**

	Average Scale Score* 1998	Average Scale Score 2002	Difference
Nation (Public)	213	217	+4
Rhode Island	218	219	+1
Connecticut	230	229	-1
Maine	225	225	0
Massachusetts	223	224	+1
New Hampshire	226	-	-
Vermont	-	227	-

** Half of the students assessed for the 1998 Reading Assessment were not permitted accommodations. The Average Scale Scores reported here represent the Scale Scores of those students who were allowed accommodations. The difference in scores between the groups of students who were and were not allowed accommodations was not statistically significant.*

**Changes in the 8th Grade Average Scale Score among New England States 1998 – 2002
(Accommodations Permitted):**

	Average Scale Score* 1998	Average Scale Score 2002	Difference
Nation (Public)	261	263	+2
Rhode Island	264	262	+2
Connecticut	270	267	-3
Maine	271	270	-1
Massachusetts	269	271	+2
New Hampshire	Did Not Participate		
Vermont	-	272	-

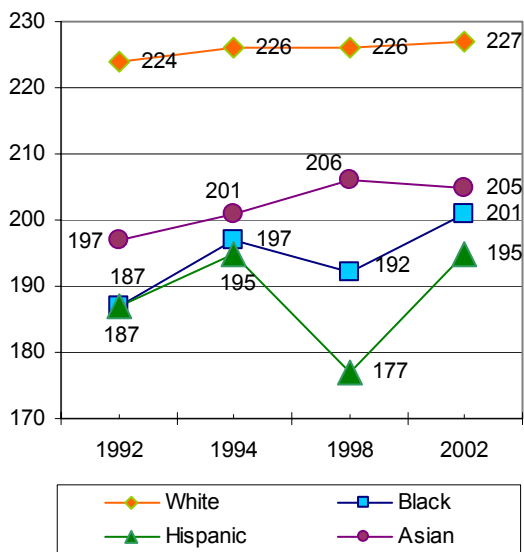
Grade 4: Average Reading Scale Scores and Selected Percentiles (1992 – 2002)

	Average Scale Score	Scale Score Distribution				
		10 th	25 th	50 th	75 th	90 th
1998 Rhode Island	262	218	242	265	286	303
Nation	261	215	240	264	286	304
2002 Rhode Island	262	217	241	265	286	303
Nation	263	219	242	265	286	303

Grade 8: Average Reading Scale Scores and Selected Percentiles (1992 – 2002)

	Average Scale Score	Scale Score Distribution				
		10 th	25 th	50 th	75 th	90 th
1998 Rhode Island	218	169	196	222	244	263
Nation	213	161	189	215	241	260
2002 Rhode Island	220	172	196	222	245	264
Nation	217	169	194	219	242	264

Grade 4 Average Scale Scores in Reading 1992 - 2002 by Race/ Ethnicity



While White students' Average Scale Scores have remained stable, the Black and Hispanic students' Scale Scores have increased. It is worth noting, however, that the **only** statistically significant change is the increase in the Average Scale Score for Hispanic students. This is due to the larger sampling size of the Hispanic population (13.2% of students assessed) relative to the Black population (8.3%); making the results more reliable.

The decrease in the Average Scale Score of Asian students is not statistically significant.

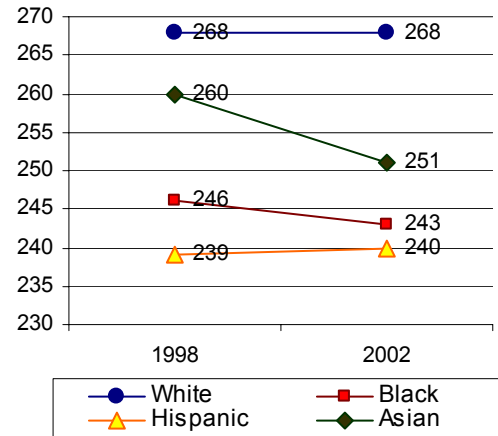
Over the last ten years, all subgroups have shown gains in their Average Scale Scores and have decreased the gap dramatically.

White students' Scale Scores at the 8th grade remain constant while the Asian students' scores have dropped dramatically.

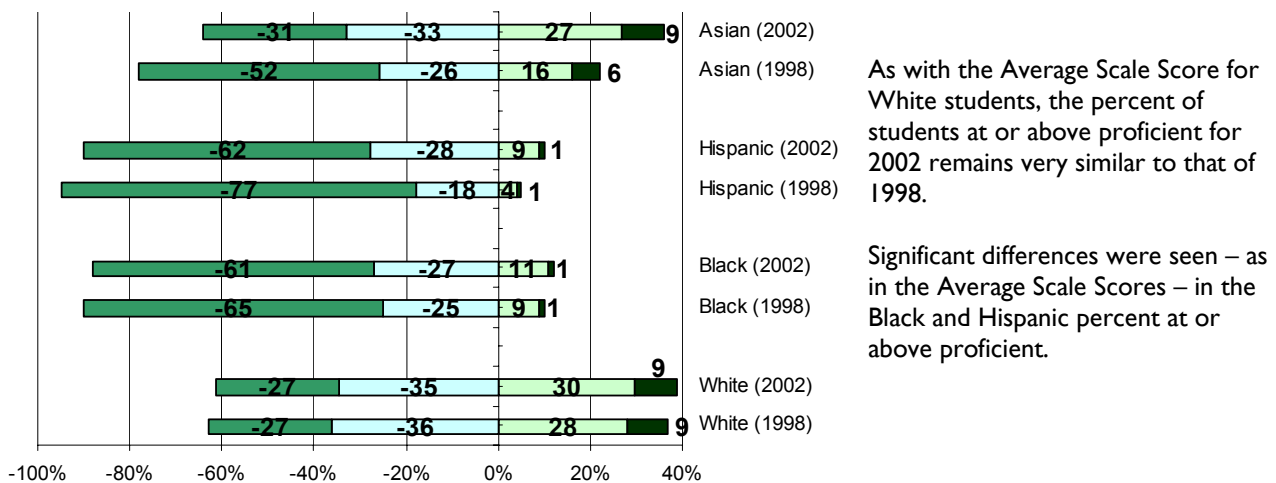
Black students' Scale Scores also saw a slight decrease. The only subgroup which made a slight increase was the Hispanic group – but this increase is not statistically significant.

The gap between subgroups remains constant with the exception of the Hispanic students; that gap widened from 8 points to 17 Scale Score points.

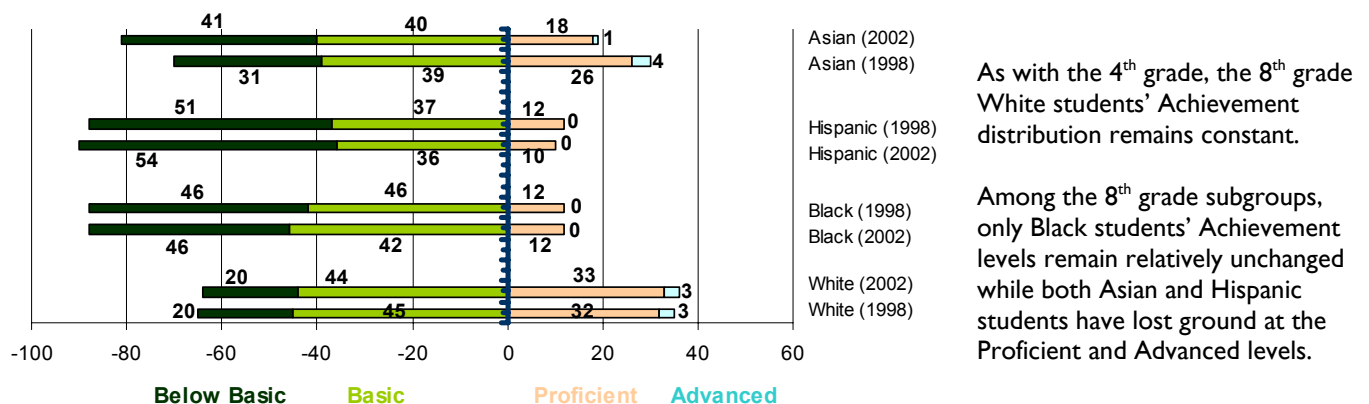
Grade 8 Average Scale Scores in Reading 1998-2002 by Race/Ethnicity



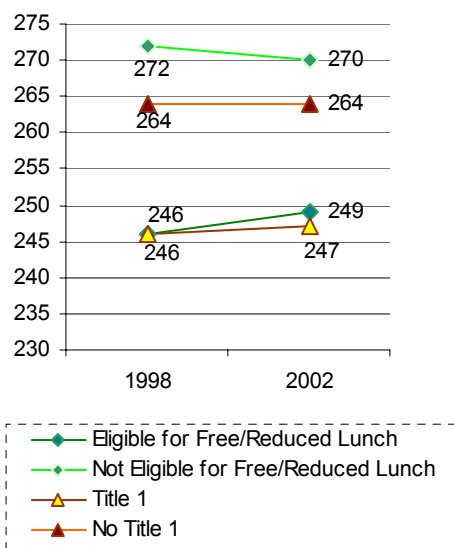
Percentage of 4th Grade Students at or above each Achievement Level by Race/Ethnicity (1992 – 2002):



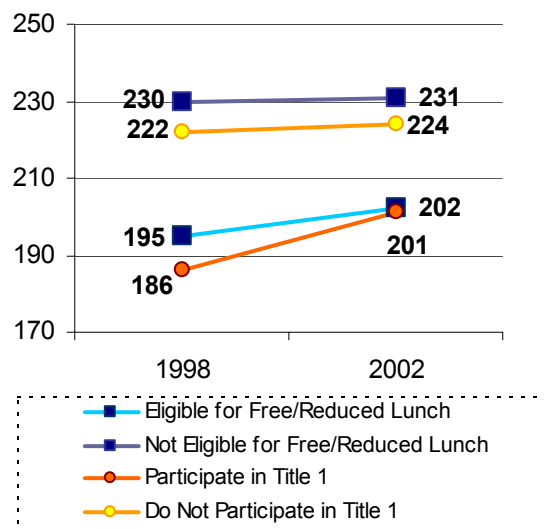
Percentage of 8th Grade Students at each Achievement Level by Race/Ethnicity (1998-2002)



Grade 8 Average Scale Scores by Free/Reduced Lunch Status and Title I Participation (1998 – 2002)



Grade 4 Average Scale Scores by Free/Reduced Lunch Status and Title I Participation (1998 – 2002)



Grade 4: School Lunch Eligibility Average Scale Scores and Students at each Achievement Level

	Average Scale Score	Below Basic	At Basic	At Proficient	At Advanced
Eligible					
1998	195	60	27	12	1
2002	202	55	31	14	2
Not Eligible					
1998	230	22	31	31	10
2002	231	22	34	31	10

- › The Average Scale Scores and the percentage of students who are not eligible for free/reduced lunch have remained constant. This is consistent with the previous data showing that the greatest gains in both Average Scale Scores and Achievement Levels are in the subgroup populations.
- › The change that in the in both Average Scale Scores and the percent At Proficient and At Advanced is also apparent in the free/reduced lunch subgroup.

Grade 8: School Lunch Eligibility Average Scale Scores and Students at each Achievement Level

	Average Scale Score	Below Basic	At Basic	At Proficient	At Advanced
Eligible					
1998	246	44	43	13	0
2002	249	42	41	16	1
Not Eligible					
1998	272	17	44	35	4
2002	270	18	44	35	3

- › The Average Scale Scores of students receiving Title I services has increased by three points from 1998.
- › The percent of 8th grade students at or above proficient has also increased from 13% to 17% while those students not eligible for free or reduced lunch have remained constant.

BACKGROUND OF STUDENTS ASSESSED IN THE 4TH GRADE NAEP READING ASSESSMENT

Race/Ethnicity of students:

	Rhode Island		Nation	
	1998	2002	1998	2002
Asian	2.5%	3.3%	2.8%	3.9%
American Indian	0.7	0.4	0.6	1.3
White	79.2	74.5	69.2	59.6
Black	7.1	8.3	16.3	17.5
Hispanic	9.1	13.2	10.8	16.8

In the last four years, the Hispanic population in the 4th grade has increased by four percentage points.

This increase is also reflected in the national sample.

Gender:

	Rhode Island		Nation	
	1998	2002	1998	2002
Boys	52.6%	51.0%	50.0%	50.6%
Girls	47.4	49.0	50.0	49.4

4th Grade LEP Students: Percentage Identified, Excluded, and Accommodated*

	Identified		Accommodated		Excluded	
	1998	2002	1998	2002	1998	2002
Rhode Island	6.3%	8.5%	0.7%	1.6%	2.5%	3.2%
Nation (Public)	5.5	9.3	0.7	0.7	2.1	2.4
Connecticut	5.0	3.9	0.1	0.5	3.8	1.7
Maine	0.4	0.6	0.1	0.2	0.0	0.2
Massachusetts	4.4	4.0	0.8	0.7	1.9	2.0
New Hampshire	Did not participate					
Vermont	-	1.8	-	0.2	-	0.5

*The remaining identified students who were not excluded or received accommodations were assessed in standard test-taking conditions. Approximately half of the students assessed for the 1998 Reading Assessment were not permitted accommodations. Results reported here use scale score points and proficiency level percentages from the group permitted accommodations.

4th Grade: Students by Percent Receiving Title I Services:

	1998		2002	
	% Receiving	% Not Receiving	% Receiving	% Not Receiving
Rhode Island	9.0	91.0	20.5	79.5
Nation (Public)	27.1	72.9	36.1	63.9
Connecticut	40.3	59.7	11.9	88.1
Maine	16.4	83.6	14.5	85.5
Massachusetts	15.5	84.5	25.2	74.8
New Hampshire	Did not participate			
Vermont	-	-	38.6	61.4

- Among the New England states, Rhode Island has comparable percentages of students at the “% Receiving’ and “% Not Receiving” for 2002 with Massachusetts.
- From 1998 to 2002, the Average Scale Scores at the 10th percentile increased by three points.
- At the 4th Grade, Rhode Island’s percentage of students At or Above Proficient is lower than five states (CT, MA, MN, VT, VA), not statistically different from 25 jurisdictions (including the Department of Defense School systems), and higher than 17 (including Washington, DC, Guam, and the Virgin Islands).
- Students’ Average Scale Scores in Rhode Island were lower than those in 12 jurisdictions, higher than those in 17 jurisdictions, and not statistically different from those in 18 jurisdictions.

BACKGROUND OF STUDENTS ASSESSED IN THE 8TH GRADE NAEP READING ASSESSMENT

8th Grade by Race/Ethnicity:

	Rhode Island		Nation (Public)	
	1998	2002	1998	2002
Asian	3.5 %	3.5 %	3.5 %	4.5 %
American Indian	0.1	0.3	0.5	1.4
White	82.0	75.7	63.9	63.9
Black	6.7	7.2	15.0	15.0
Hispanic	7.4	12.8	14.7	14.7

Gender:

	Boys	Girls
Rhode Island	49.3	50.7
Nation (Public)	50.7%	49.3%

8th Grade LEP Students: Percentage Identified, Excluded, and Accommodated*

	Identified		Accommodated		Excluded	
	1998	2002	1998	2002	1998	2002
Rhode Island	3.6 %	5.3 %	0.0	0.5	2.1	2.0
Nation (Public)	3.0	6.1	0.2	0.5	0.9	1.7
Connecticut	2.3	3.1	0.3	0.4	1.3	1.7
Maine	0.8	1.7	0.0	0.0	0.4	0.3
Massachusetts	2.6	4.5	0.2	0.7	1.5	2.6
New Hampshire	Did not participate					
Vermont	-	1.3	-	0.4	-	0.4

* Half of the students assessed for the 1998 Reading Assessment were not permitted accommodations. The Average Scale Scores reported here represent the Scale Scores of those students who were allowed accommodations. The difference in scores between the groups of students who were and were not allowed accommodations was not statistically significant.

8th Grade Students Receiving Title I Services:

	Receive	Did Not Receive	Receive	Did Not Receive
	1998		2002	
Rhode Island	8.1 %	91.1 %	11.1 %	88.1%
Nation (Public)	12.9	87.1	20.9	79.1
Connecticut	5.9	94.1	13.1	86.9
Maine	3.9	96.1	2.3	97.7
Massachusetts	11.0	89.0	22.4	77.6
New Hampshire	Did Not Participate			
Vermont	-	-	21.4	78.6

8th Grade Students Eligible for Free/Reduced Lunch:

	Rhode Island		Nation (Public)	
	1998	2002	1998	2002
Eligible	28.0 %	22.8 %	30.5 %	33.2 %
Not Eligible	71.5	61.5	58.1	56.6
Information Not Provided	0.5	15.6	11.5	10.2

8th Grade: Students with Disabilities:

	Identified		Accommodated		Excluded	
	1998	2002	1998	2002	1998	2002
Rhode Island	13.3	15.9 %	1.4	7.1%	4.5	3.6%
Nation (Public)	9.9	13.1	2.2	3.6	3.1	4.7
Connecticut	13.1	14.5	2.6	5.8	4.6	3.4
Maine	13.0	16.2	2.8	5.8	4.6	3.8
Massachusetts	14.5	17.3	4.7	7.6	3.1	4.3
New Hampshire	Did not participate					
Vermont	-	17.4	-	5.8	-	4.5

- Average scale score in Rhode Island was 262. This was lower than that in 1998 (264).
- Scale scores in Rhode Island were higher than in 14 jurisdictions, lower than 21 and not significantly different than 11.
- Percent at or above Proficient was 30% which was not significantly different than 1998 (32%).